

Human Sp100 Nuclear Antigen ELISA Kit | Sp100 elisa kit

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CATALOG #
AAA85643

REACTIVITY
Human

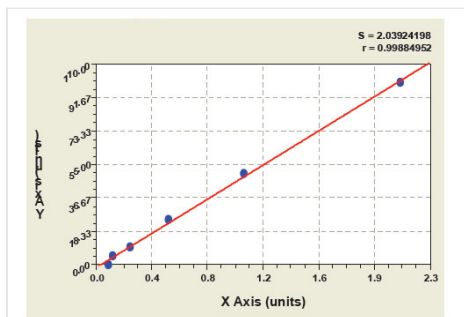
PRODUCT SYNONYMS

Sp100 Nuclear Antigen; Human Sp100 Nuclear Antigen ELISA Kit; Sp100 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This Sp100 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Sp100. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Sp100 elisa kit

Principle of the Assay: Sp100 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for Sp100. Standards or samples are then added to the microtiter plate wells and Sp100 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of Sp100 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for Sp100 are added to each well to "sandwich" the Sp100 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain Sp100 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Sp100 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1255929
NCBI GeneID	6672
UniProt Accession #	P23497; O75450; Q13343; Q8TE34; Q96F70; Q96T24; Q96T95; B4DDX5; B8ZZD8; E7EUA7; E9PH61; F8WFE2
Molecular Weight	50,032 Da
NCBI Official Full Name	Sp100, partial
NCBI Official Synonym Full Names	SP100 nuclear antigen
NCBI Official Symbol	SP100
NCBI Official Synonym Symbols	lysp100b
NCBI Protein Information	nuclear autoantigen Sp-100; speckled 100 kDa; SP100-HMG nuclear autoantigen; nuclear dot-associated Sp100 protein
UniProt Protein Name	Nuclear autoantigen Sp-100
UniProt Gene Name	SP100
UniProt Entry Name	SP100_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.